Rec'd PCT/PTO 10 MAY 2005

PCT/IL 00956

A CLASS	ICIO ATION OF CUID ICOT MATTER		
IPC 7	FICATION OF SUBJECT MATTER C07K14/195 C12N15/62 C07K1/14		
	o International Patent Classification (IPC) or to both national classifica	ition and IPC	
	SEARCHED		
IPC 7	ocumentation searched (classification system followed by classification CO7K	on symbols)	
Documenta	tion searched other than minimum documentation to the extent that su	uch documents are included. In the fields se	arched
Electronic	data base consulted during the international search (name of data bas	se and, where practical, search terms used)
EPO-In Data,	ternal, BIOSIS, MEDLINE, Sequence Se EMBL	arch, EMBASE, WPI Data	, PAJ, CHEM ABS
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the rele	vant passages	Relevant to claim No.
Ρ,Χ	AMITAI GIL ET AL: "Distribution function of new bacterial intein-protein domains." MOLECULAR MICROBIOLOGY,		1-121
	vol. 47, no. 1, January 2003 (200 pages 61-73, XP002273904 ISSN: 0950-382X (ISSN print) the whole document	3-01),	
X	DATABASE EMBL 'Online! 21 March 2000 (2000-03-21), FRASER ET AL.: "Neisseria gonorrh 730" XP002273909 Database accession no. AAY75498 *Sequence SEQ ID No 17* the whole document	ae ORF	1-61
		/	
اثنا	her documents are listed in the continuation of box C.	Patent family members are listed in	annex.
T later document published after the international filing date or priority date and not in conflict with the application but considered to be of particular relevance *E' earlier document but published on or after the international *T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention		the application but ory underlying the	
filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means		 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. 	
later than the priority date claimed "&" document member of the same patent family			
Date of the actual completion of the International search 17 March 2004		Date of mailing of the international search report 1. 06. 04	
Name and I	mailing address of the ISA	Authorized officer	
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016		Seroz, T	

mational Application No PCT/II /00956

Category •	C441kin of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Υ		
	ZHANG A ET AL: "Construction of a mini-intein fusion system to allow both direct monitoring of soluble protein expression and rapid purification of target proteins." GENE. NETHERLANDS 19 SEP 2001, vol. 275, no. 2, 19 September 2001 (2001-09-19), pages 241-252, XP004307847 ISSN: 0378-1119 page 250, left-hand column, paragraph 3 - page 251, right-hand column, paragraph 1; figures 1,3	1-121
Y	HUMPHRIES HOLLY E ET AL: "Expression of the class 1 outer-membrane protein of Neisseria meningitidis in Escherichia coli and purification using a self-cleavable affinity tag." PROTEIN EXPRESSION AND PURIFICATION. UNITED STATES NOV 2002, vol. 26, no. 2, November 2002 (2002-11), pages 243-248, XP002273905 ISSN: 1046-5928 page 247, right-hand column, paragraph 2 - page 248, left-hand column, paragraph 2; figure 1	1-121
A	ASPOCK GUDRUN ET AL: "Caenorhabditis elegans has scores of hedgehog-related genes: Sequence and expression analysis" GENOME RESEARCH, vol. 9, no. 10, October 1999 (1999-10), pages 909-923, XP002273906 ISSN: 1088-9051	
A	PIETROKOVSKI S: "Intein spread and extinction in evolution" TRENDS IN GENETICS, ELSEVIER, AMSTERDAM, NL, vol. 17, no. 8, 1 August 2001 (2001-08-01), pages 465-472, XP004301639 ISSN: 0168-9525	
Ρ,χ	DATABASE TREMBL 'Online! 1 June 2003 (2003-06-01), BUELL ET AL.: "Filamentous hemagglutinin, intein-containing, putative." XP002273907 Database accession no. Q880E1 *Sequence SEQ ID No 13 and 14* the whole document	1-121

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
P,X	DATABASE TREMBL 'Online! 1 June 2003 (2003-06-01), BROWN ET AL.: "Hypothetical protein SCP1.201" XP002273908 Database accession no. Q9ACV2 *Sequence SEQ ID No 15* the whole document		1-121
P,X	DATABASE TREMBL 'Online! 1 March 2003 (2003-03-01), REN S: "Probable phenazine biosynthesis family protein" XP002273910 Database accession no. Q8EZX6 *Sequence SEQ ID No 37* the whole document		1-121
Ρ,Χ	DATABASE TREMBL 'Online! 1 October 2003 (2003-10-01), GLOECKNER FO ET AL.: "HYPOTHETICAL PROTEIN RB6107" XP002273911 Database accession no. Q7UQT4 *Sequence SEQ ID No 40* the whole document		1-121
Ρ,Χ	DATABASE TREMBL 'Online! 1 June 2003 (2003-06-01), OMURA ET AL.: "Hypothetical protein SAV200" XP002273912 Database accession no. Q82RE3 *Sequence SEQ ID No 41* the whole document		1-121
Ρ,Χ	DATABASE TREMBL 'Online! 1 June 2003 (2003-06-01), OMURA ET AL.: "hypothetical protein SAV286" XP002273913 Database accession no. Q82R58 *Sequence SEQ ID No 42* the whole document		1-121
Ρ,Χ	DATABASE TREMBL 'Online! 1 June 2003 (2003-06-01), OMURA ET AL.: "hypothetical protein SAV5292" XP002273914 Database accession no. Q82CQ1 *Sequence SEQ ID No 43* the whole document		1-121
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C.(Continua	tion) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
Ρ,Χ	DATABASE TREMBL 'Online! 1 March 2003 (2003-03-01), REN S.: "hypothetical protein LA3719" XP002273915 Database accession no. Q8EZY2 *Sequence SEQ ID No 60* the whole document		1-121
		·	



nternational application No.
PCT/IL 03/00956

Boxi	Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This inte	ernational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2.	Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
з. 🗌	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II	Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)
This Inte	ernational Searching Authority found multiple inventions in this international application, as follows:
	see additional sheet
1.	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
з. 🔲	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. X	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the Invention first mentioned in the claims; it is covered by claims Nos.: 1-121 (all partially)
Remark	on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-121 (all partially)

Chimeric polypeptides comprising an autoprocessing segment type A Bacterial Intein-Like domain (SEQ ID No 1-62, 105).

2. claims: 1-121 (all partially)

Chimeric polypeptides comprising an autoprocessing segment type K Bacterial Intein-Like domain (SEQ ID Nos 63-104, 106). \Bar{B}